

Technical Bulletin**JEFFCOOL® COOLANTS
AND HEAT TRANSFER FLUIDS**

JEFFCOOL E-100 Coolant – An inhibited ethylene glycol used as an industrial coolant and heat transfer fluid.

JEFFCOOL E-105 Coolant – A mixture of 50 vol. % JEFFCOOL E-100 coolant and 50 vol. % deionized water.

JEFFCOOL P-150 and P-200 Coolants – Inhibited propylene glycols used as industrial coolants and heat transfer fluids. JEFFCOOL P-200 coolant is formulated with PG-USP and is intended for use where incidental contact with food is possible and toxicological issues must be considered.

JEFFCOOL P-155 and P-205 Coolants – Mixtures of 50 vol. % JEFFCOOL P-150 or P-200 coolant and 50 vol. % deionized water.

SPECIFICATIONS

	JEFFCOOL E-100 Coolant	JEFFCOOL E-105 Coolant	JEFFCOOL P-150 Coolant	JEFFCOOL P-155 Coolant	JEFFCOOL P-200 Coolant	JEFFCOOL P-205 Coolant	TEST METHOD
Appearance	Slightly hazy and free of suspended solids	Slightly hazy and free of suspended solids	Slightly hazy and free of suspended solids	Slightly hazy and free of suspended solids	Slightly hazy and free of suspended solids	Slightly hazy and free of suspended solids	ST-61
Color	Red to match standard	Red to match standard	Red to match standard	Red to match standard	Colorless	Colorless	
Water, wt. %	4.0 max.	53.0 max.	4.0 max	53.0 max.	2.5 max.	53.0 max,	D-1123
Specific gravity, 60/60°F	1.12 min. 1.15 max.	1.06 min. 1.09 max.	1.05 min. 1.06 max.	1.02 min. 1.04 max.	1.05 min. 1.06 max.	1.02 min. 1.04 max.	D-1122
Reserve alkalinity, ml	10.5 min. 14.0 max.	10.0 min. 14.0 max.	10.5 min. 14.0 max.	10.0 min. 14.0 max.	10.5 min. 13.0 max.	10.5 min. 13.0 max.	D-1121
pH							D-1287
33% soln	9.5 min. 10.5 max.	—	9.5 min. 10.5 max.	—	9.5 min. 10.5 max.	—	
67% soln	—	9.5 min. 10.5 max.	—	9.5 min. 10.5 max.	—	9.5 min. 10.5 max.	
Freezing point							D-1177
100 vol.% soln, °F	—	-34 max.	—	-30 max.	—	-30 max.	
50 vol. % soln, °F(°C)	-34 (-37) max.	—	-30 (-34) max.	—	-30 (-34) max.	—	
Equilibrium boiling point, °F (°C)	300 (149) min.	—	—	—	—	—	D-1120

* Test methods are available upon request

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